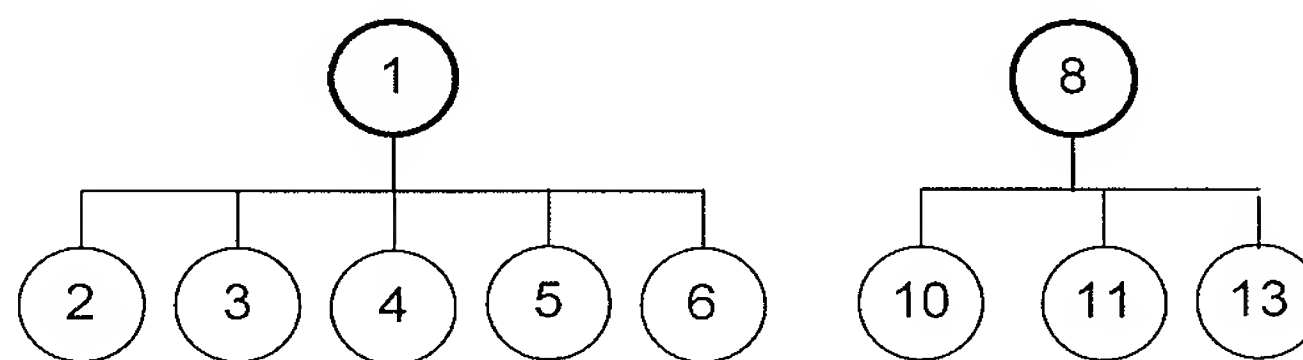


REMARKS/ARGUMENTS

In the Office action mailed June 4, 2010, independent claims 1, 8 and dependent claims 2-6, 10, 11-13 are rejected under 35 U.S.C. §112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Independent claims 1, 8 and dependent claims 2, 4-6, and 11-13 are rejected under 35 U.S.C. § 103(a) as being anticipated by Kim (U.S. Patent Application Publication No. 2003/0099239), in view of Vu (U.S. Patent Application Publication No. 2004/0202162), and further in view of Alcatel (Alcatel Takes Next Major Step With 7300 DSLAM Line). Dependent claim 3 and 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kim in view of Vu, and further in view of Alcatel (Alcatel Takes Next Major Step With 7300 DSLAM Line), and further in view of applicant's own admissions.

In responding to the Office action, independent claims 1 and 8 have been amended according to the Examiner's suggestion. Claim 12 is canceled. Favorable reconsideration of the application and withdrawal of the rejections are respectfully requested in view of the amendments and remarks contained herein. The diagram below illustrates the relationships among the claims.

*Response to Claim Rejections under 35 U.S.C. 112*

In response to the Section 112 rejection of claim 1, the applicant has complied with the requirement, and deleted the words "video" and "stream" from claim 1. In addition, applicant has amended "if it is" to read -- if the service is the video service stream -- in accordance with the Examiner's suggestion. Therefore, the applicant respectfully requests withdrawal of the rejections in view of the amendments.

In response to the Section 112 rejection of claim 8, the applicant has amended the phrase “if it is” to read -- if the service is the video service stream -- and has amended “it” to read -- the service -- in accordance with the Examiner’s suggestion.

The Office action asserts that “the multicasting distributor module” in claim 10 lacks antecedent basis. In the response, the applicant has deleted the word “added” in lines 6 and 8 in order to correspond with claim 10.

Claim 12 is canceled in this amendment and, therefore, the Section 112 rejection thereof is moot.

Regarding dependent claims 2-6, 11 and 13, the applicant believes the Section 112 rejection of these claims is overcome by the amendments to independent claims 1 and 8 and dependent claim 10.

Therefore, the applicant respectfully requests withdrawal of the rejections in view of the amendments.

Response to Claim Rejections under 35 U.S.C. 103(a)

With respect to independent claim 1, the applicant has amended claim 1 and submit that the combination of Kim, Vu and Alcatel fails to teach or suggest all of the elements of amended claim 1 for the following reasons.

Amended claim 1 reads:

1. A bandwidth expanded Digital Subscriber Line Access Multiplexer (DSLAM) for multicasting video service, comprising:

a main control board, subscriber interface boards and a data bus which is connected between the main control board and each of the subscriber interface boards;

wherein the DSLAM further comprises a video bus which is connected between the main control board and each of the subscriber interface boards, and wherein

the video bus is a unidirectional bus transmitting the video service stream from the main control board to the subscriber interface board,
and wherein the main control board is configured to detect whether a service from a network interface is the video service stream; if the service is the video service stream, transmitting the video service stream to each subscriber interface board through the video bus in the DSLAM, otherwise transmitting the service through the data bus.

The Office action asserted that Kim in view of Vu does not disclose the underlined feature “wherein the main control board is configured to detect whether a service from a network interface is the video service stream...” The Office action asserts that Alcatel discloses the above feature. However, according to paragraph 4, lines 2-3, of the Office action, “Alcatel has activated the box’s broadcast video bus, so the DSLAM has a dedicated 622mbps bus for broadcast video and a separate 622mbps bus for data.”

Although Alcatel discloses that the DSLAM has separate broadcast video bus and data bus, Alcatel does not teach how the DSLAM detects a service from a network interface about whether the service is a video service stream or data *before* the DSLAM transmits the video service stream through the video bus. In contrast, claim 1 recites a DSLAM comprising a main control board, wherein the main control board is configured to detect whether a service from a network interface is the video service stream. Further, in the specification at Paragraph [0033], it is described that

“The data processing module in the main control board receives the service stream from network interface and detects whether it is a video service stream; if it is, outputs to the multicasting distributor module; otherwise... ”.

Also, at Paragraph [0034], it states that

“The multicasting distributor module duplicates the received video service stream... and then sends to the data processing module in the subscriber interface boards through the video bus.”

From the description in the specification, it is known that the data processing module in the main control board detects the type of service and outputs the video service stream to the multicasting distributor module in the main control board. And the multicasting distributor module sends the video service stream through the video bus. Instead of merely disclosing a separate broadcast video bus and data bus, claim 1 also discloses the technology of detecting the type of the service from a network interface before the video service stream is sent through the video bus. Thus, Alcatel does not disclose the feature

“wherein the main control board is configured to detect whether a service from a network interface is the video service stream.....”

as recited in claim 1.

Therefore, the applicant respectfully submits that amended claim 1 is now patentable over the prior art of record.

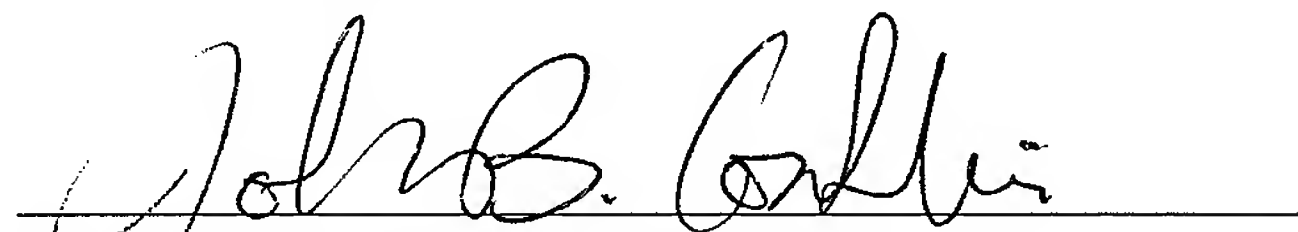
Independent claim 8 discloses features similar to those of independent claim 1 and, therefore, is non-obvious over the cited prior art for the same reasons.

Dependent claims 2-6, 10-11 and 13 depend from independent claims 1 and 8 and, therefore, they are also patentable over the prior art of record for at least the same reasons provided for the independent claims.

Conclusion

A prompt indication of allowability of all pending claims 1-6, 8, 10-11 and 13 is earnestly solicited. Should the Examiner wish to discuss the foregoing, or any matter of form in an effort to advance this application toward allowance, he is urged to telephone the undersigned at the indicated number.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "John B. Conklin", is written over a horizontal line.

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Date: August 30, 2010